Journal of Volcanology and Geothermal Research, 51 (1992) 375–376
Elsevier Science Publishers B.V., Amsterdam

Contents Volume 51, 1992

Research Papers

Energy partition in the 1982 eruption of El Chichon volcano, Chiapas, Mexico
I. Yokoyama, S. de la Cruz-Reyna and J.M. Espindola (Mexico, D.F., Mexico) 1
Graphical analysis of enthalpy-composition relationships in mixed magmas
W. Ussler III and A.F. Glazner (Chapel Hill, N.C., USA) 23
Composite layering in the Isle au Haut Igneous Complex, Maine: evidence for periodic invasion of a mafic magma into an evolving magma reservoir
M. Chapman and J.M. Rhodes (Amherst, Mass., USA) 41
Morphologic features of juvenile pyroclasts from magmatic and phreatomagmatic deposits of Vesuvius
R. Cioni, A. Sbrana and R. Vecci (Pisa, Italy) 61
Geothermal gas compositions in Yellowstone National Park, USA
D.S. Sheppard (Petone, New Zealand), A.H. Truesdell and C.J. Janik (Menlo Park, Calif., USA) 79
Chemical variations in assemblages including epidote and/or chlorite in the fossil hydrothermal system of Saint Martin (Lesser Antilles)
D. Beaufort, D. Patrier and A. Meunier (Poitiers, France), and M.M. Ottaviani (Corte, France) 95
Early fluid migration in a deep part of the Larderello geothermal field: a fluid inclusion study of the granite sill from well Monteverdi 7
A. Valori (Pisa, Italy), M. Cathelineau (Vandoevre-les-Nancy, France) and Ch. Marignac (Nancy and Vandoeuvre-les-Nancy, France) 115
Seismic patterns and fluid-dynamic features preceding and accompanying the January 15, 1990 eruptive paroxysm on Mt. Etna (Italy)
A. Montalto, G. Distefano and G. Patanè (Catania, Italy) 133
Modelling of volcanic tremor wave fields
E.I. Gordeev (Petropavlosvk-Kamchatsky, USSR) 145
The Lake Nyos disaster: model calculations for the flow of carbon dioxide
R.X. Faivre Pierret, P. Berne and C. Roussel (Grenoble, France), and F. Le Guern (Gif sur Yvette, France) 161
Witness accounts of the catastrophic event of August 1986 at Lake Nyos (Cameroon)
F. Le Guern (Gif sur Yvette, France), E. Shanklin (Trenton, N.J., USA) and S. Tebor (Yaounde, Cameroon) 171
Stochastic simulation of volcanic tremor from Ruapehu
A.W. Hurst (Wellington, New Zealand) 185
Subsurface andesite lavas and plutonic rocks in the Rotokawa and Ngatamariki geothermal systems, Taupo Volcanic Zone, New Zealand
P.R.L. Browne (Auckland, New Zealand), I.J. Graham (Lower Hutt, New Zealand), R.J. Parker (Auckland, New Zealand) and C.P. Wood (Rotorua, New Zealand) 199
Evolution of a Quaternary peralkaline volcano: Mayor Island, New Zealand
B.F. Houghton (Rotorua, New Zealand), S.D. Weaver (Christchurch, New Zealand), C.J.N. Wilson (Cambridge, UK) and M.A. Lanphere (Menlo Park, Calif., USA) 217
Thermal structure of the mantle wedge beneath northeastern Japan: magmatism in an island arc from the combined data of seismic anelasticity and velocity and heat flow
H. Sato (Tottori-ken, Japan) 237
New ^{230}Th-^{238}U and ^{14}C age determinations from Piton des Neiges volcano, Reunion — A revised chronology for the Differentiated Series
C. Deniel, G. Kieffer and J. Lecointre (Clermont-Ferrand, France) 253
The structure, dynamics, and chemical composition of noneruptive plumes from Mount St. Helens, 1980-88
K.A. McGee (Vancouver, Wash., USA) 269
Significance of mineral composition variations in the Aegean Island arc
P. Mitropoulos (Athens, Greece) and J. Tarney (Leicester, UK) 283
An approach for investigating the depositional mechanism of fine-grained surge deposits. The example of the dry deposits at "La Fossa di Vulcano"
R. De Rosa (Cosenza, Italy), G. Frazzetta (Catania, Italy) and L. La Volpe (Bari, Italy) 305

Fragmental lava versus welded ignimbrite on Mount Etna: arguments inferred from crystal preferred orientation
J.-L.L. Pennec (Clermont-Ferrand, France) and A. Fernandez (Limoges, France) 323
Effect of local and regional stress fields on sheet emplacement in West Iceland
H. Gautneb and A. Gudmundsson (Reykjavik, Iceland) 339
The nature and chronostratigraphy of Quaternary pyroclastic accumulations from Lake Barombi Mbo (West-Cameroon)
N. Cornen (Nantes, France), Y. Bandet (Toulouse, France), P. Giresse (Perpignan, France) and J. Maley (Montpellier, France) 357

Contents Volume 51 (1992) 375